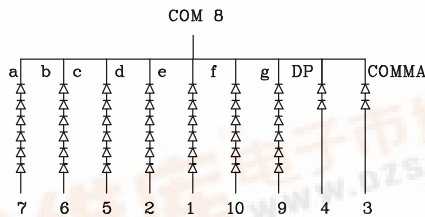


Features

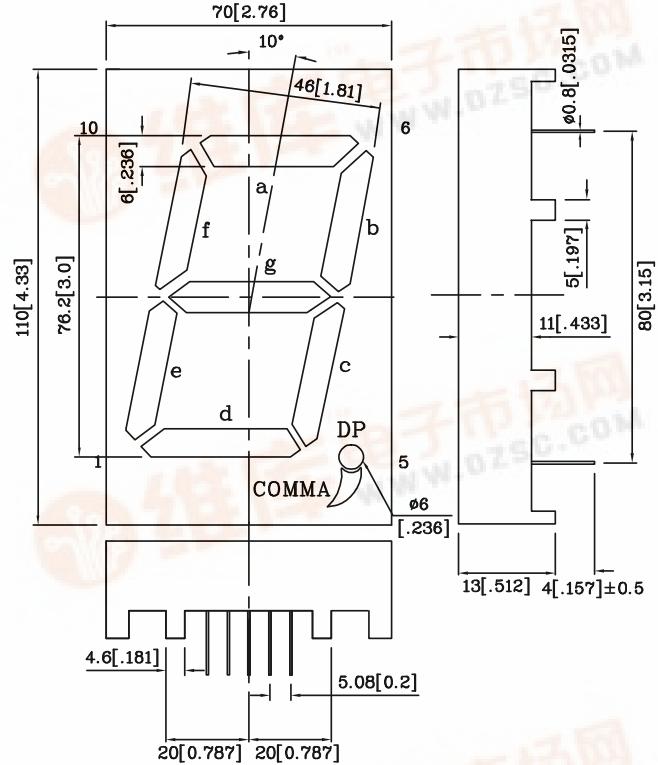
- 3.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute maximum ratings (TA=25°C)		UG (GaP)	Unit
Reverse Voltage Per Segment or (Dp and Comma)	VR	30 (10)	V
Forward Current Per Segment or (Dp and Comma)	IF	25 (25)	mA
Forward Current (Peak) Per Segment or (Dp and Comma) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140 (140)	mA
Power Dissipation Per Segment or (Dp and Comma)	PT	375 (125)	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3~5 Seconds		



Operating Characteristics (TA=25°C)		UG (GaP)	Unit
Forward Voltage (Typ.) Per Segment or (Dp and Comma) (IF=10mA)	VF	12.0 (4.0)	V
Forward Voltage (Max.) Per Segment or (Dp and Comma) (IF=10mA)	VF	15.0 (5.0)	V
Reverse Current Per Segment or (Dp and Comma) (VR=30(10)V)	IR	10 (10)	uA
Wavelength Of Peak Emission (Typ.) (IF=10mA)	λP	565	nm
Wavelength Of Dominant Emission (Typ.) (IF=10mA)	λD	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=10mA)	$\Delta\lambda$	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	15	pF

Part
Number

Emitting
Color

Emitting
Material

Luminous
Intensity
(IF=10mA)
ucd

Wavelength
nm
 λP

Description

min. typ.

DUG76C

Green

GaP

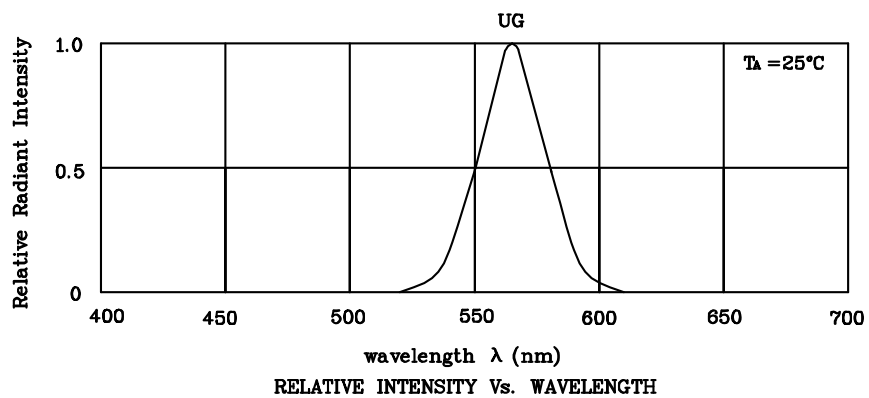
4700

18615

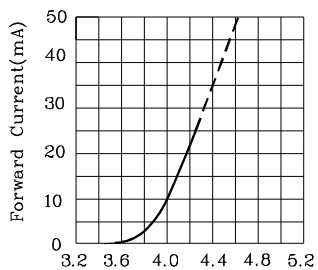
565

Common Cathode, Rt. Hand Decimal

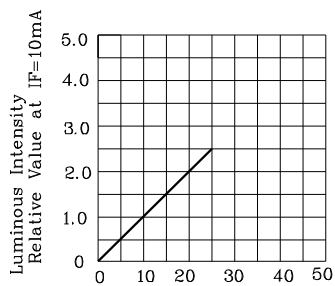




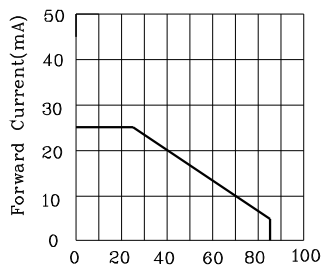
❖ **UG**



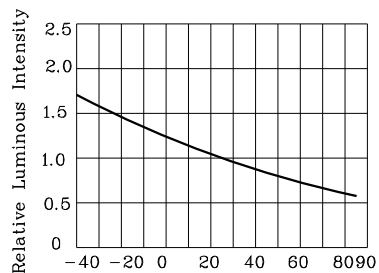
Forward Voltage(V)
FORWARD CURRENT Vs
FORWARD VOLTAGE



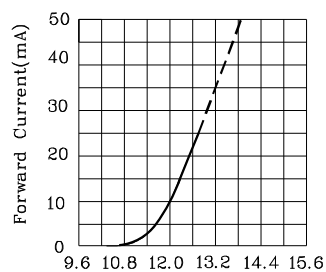
IF-Forward Current (mA)
LUMINOUS INTENSITY Vs.
FORWARD CURRENT



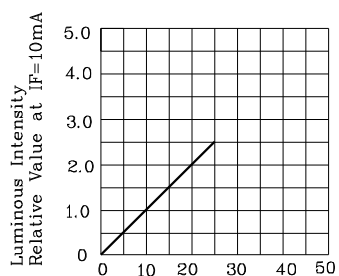
Ambient Temperature T_A (°C)
FORWARD CURRENT
DERATING CURVE



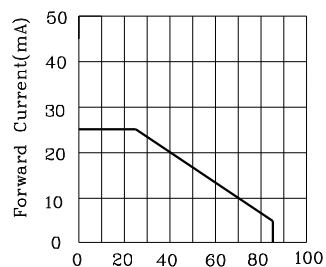
Ambient Temperature T_A (°C)
LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE



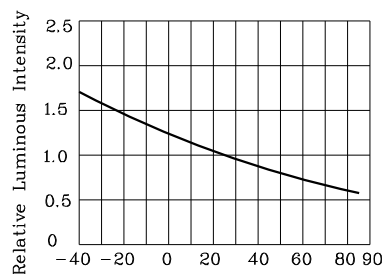
Forward Voltage(V)
FORWARD CURRENT Vs.
FORWARD VOLTAGE



IF-Forward Current (mA)
LUMINOUS INTENSITY Vs.
FORWARD CURRENT

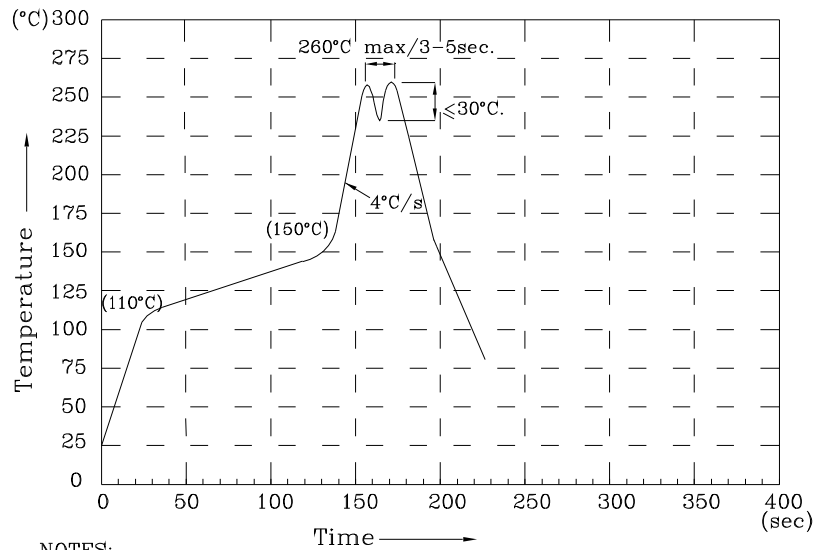


Ambient Temperature Ta (°C)
FORWARD CURRENT
DERATING CURVE



Ambient Temperature Ta (°C)
LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE

Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.

Remarks:

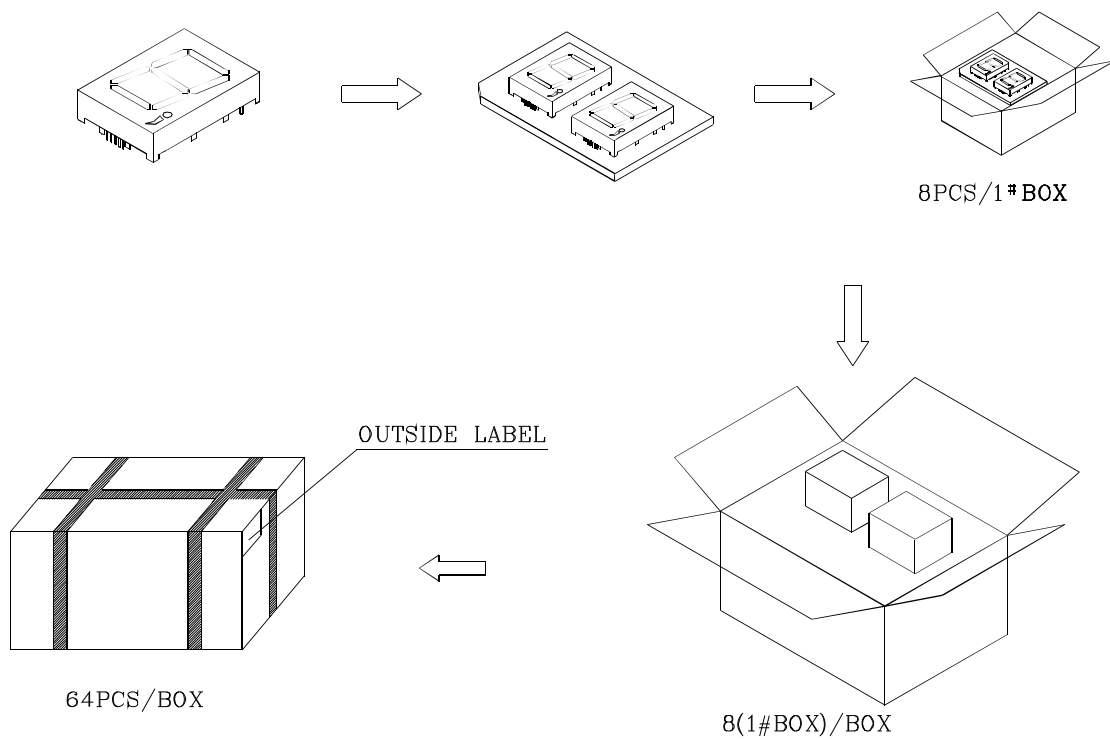
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

DUG76C



Inside LABEL Paste On The 1# Box

SunLED	PART NO: Dxx76x	Q.C.
QTY: 8 PCS	CODE: xx	PASSED XX XX XX FQCX RoHS Compliant
XXXXXXXXXXX-XXXX LOT NO.		

Date

Number OF FQC

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Dxx76x	64	XX	
Number OF QA Date			
QA XX XX XX PASSED			